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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		09382438
	Filing Date		1995-08-15
	First Named Inventor	WILLIAM R. GARDNER	
	Art Unit	2616	
	Examiner Name	MARCELO, MELVIN C	
	Attorney Docket Number	990482	

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	3018663		1962-01-30	DUNLOP	
	2	3534264		1970-10-13	BLASBALG et al.	
	3	4047151		1977-09-06	RYDBECK et al.	
	4	4256925		1981-03-17	GOODE	
	5	4261054		1981-04-07	SCHARLA-NIELSEN	
	6	4309764		1982-02-05	ACAMPORA et al.	
	7	4383315		1983-05-10	TORNG	
	8	4491947		1985-01-01	FRANK	

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	9	4495619		1985-01-22	ACAMPORA	
	10	4495648		1985-01-22	GIGER	
	11	4547880		1985-10-15	DE VITA et al.	
	12	4675863		1987-06-23	PANETH et al.	
	13	4720829		1988-01-19	FUKUSAWA et al.	
	14	4756007		1988-07-05	QURESHI et al.	
	15	4785450		1988-11-15	BOLGIANO et al.	
	16	4789983		1988-12-06	ACAMPORA et al.	
	17	4817089		1989-03-28	PANETH et al.	
	18	4901307		1990-02-13	GILHOUSEN et al.	
	19	4901319		1990-02-13	ROSS	

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	20	5003534		1991-03-26	GERHARDT et al.	
	21	5022046		1991-06-04	MORROW JR	
	22	5038399		1991-08-06	BRUCKERT	
	23	5093924		1992-03-03	TOSHIYUKI et al.	
	24	5101501		1992-03-31	GILSHOUSEN ET at.	
	25	5115429		1992-05-19	HLUCHYJ et al.	
	26	5267261		1993-11-30	BLAKENEY II et al.	
	27	5267262		1993-11-30	WHEATLEY III	
	28	5280537		1994-01-18	SUGIYAMA et al.	
	29	5289527		1994-02-22	TIEDEMANN JR	
	30	5297192		1994-03-22	GERSZBERG	

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31	5305308		1994-04-19	ENGLISH et al.	
32	5373502		1994-12-13	TURBAN	
33	5375123		1994-12-20	ANDERSSON et al.	
34	5383219		1995-01-17	WHEATLEY III et al.	
35	5386589		1995-01-30	KANAI	
36	5396516		1995-03-07	PADOVANI et al.	
37	5400328		1995-03-21	BURREN et al.	
38	5404376		1995-04-04	DENT	
39	5412687		1995-05-02	SUTTON et al.	
40	5416797		1995-05-16	GILSHOUSEN et al.	
41	5425051		1995-06-13	MAHANY	

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	42	5434860		1995-07-18	RIDDLE	
	43	5442625		1995-08-15	GITLIN et al.	
	44	5461639		1995-10-24	WHEATLEY III et al.	
	45	5465388		1995-11-07	ZICKER	
	46	5469471		1995-11-21	WHEATLEY III et al.	
	47	5485486		1996-01-16	GILHOUSEN et al.	
	48	5491837		1996-02-13	HAARSTEN	
	49	5497395		1996-03-05	JOU et al.	
	50	5504773		1996-04-02	PADOVANI et al.	

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U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	19913086	DE		2000-10-19	SIEMENS AG		<input type="checkbox"/>
	2	0412583	EP		1991-02-13	MOTOROLA, INC		<input type="checkbox"/>
	3	0418865	EP		1991-03-27	NIPPON TELEGRAPH and TELEPHONE CORP.		<input type="checkbox"/>
	4	0600713	EP		1996-08-06	NOKIA TELECOMMUNICATIONS OY		<input type="checkbox"/>
	5	0656716	EP		1995-06-07	CSELT CENTRO STUDI E LABORATORI TELECOMUNICAZIONI		<input type="checkbox"/>
	6	0716520	EP		1996-06-12	NTT MOBILE COMMUNICATIONS NETWORK INC.		<input type="checkbox"/>
	7	0767548	EP		1997-04-09	ATT CORP.		<input type="checkbox"/>
	8	0779755	EP		1997-06-18	NTT MOBILE COMMUNICATIONS NETWORK INC.		<input type="checkbox"/>

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9	0847147	EP		1998-07-15	HITACHI		<input type="checkbox"/>
10	0924878	EP		1999-06-23	SIEMENS		<input type="checkbox"/>
11	0936753	EP		1999-08-18	NOKIA		<input type="checkbox"/>
12	2293947	GB		1996-04-10	TOSHIBA		<input type="checkbox"/>
13	8-125604	JP		2000-01-05	NTT IDO TSUSHINO KK		<input type="checkbox"/>
14	02-035848	JP		1990-02-06	NEC CORP.		<input type="checkbox"/>
15	6-318927	JP		1994-11-15	NOKIA MOBILE PHONES LTD.		<input type="checkbox"/>
16	8-335899	JP		1996-12-17	NTT IDO TSUSHINO KK		<input type="checkbox"/>
17	09-008770	JP		1997-01-10	MATUSHITA ELECTRIC IND. CO. LTD.		<input type="checkbox"/>
18	10-51354	JP		1998-02-20	NTT IDO TSUSHINO KK		<input type="checkbox"/>
19	10-107769	JP		1998-04-24	NOKIA MOBILE PHONES LTD.		<input type="checkbox"/>

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	20	63-141432	JP		1998-06-13	FUJITSU LTD.		<input type="checkbox"/>
	21	10-190625	JP		1998-07-21	FUJITSU LTD.		<input type="checkbox"/>
	22	10-285138	JP		1998-10-23	OKI ELECTRIC IND. CO. LTD.		<input type="checkbox"/>
	23	11-154904	JP		1999-06-08	SAMSUNG ELECTRIC CO.		<input type="checkbox"/>
	24	00-224231	JP		2000-08-11	HITACHI LTD.		<input type="checkbox"/>
	25	2002-152849	JP		2002-05-24	LUCENT TECHNOLOGY INC.		<input type="checkbox"/>
	26	2000-0011799	KR		2000-02-25	SAMSUNG ELECTRIC CO. LTD.		<input type="checkbox"/>
	27	2146850	RU		2000-03-20	DAG EH SON OKERBERG		<input type="checkbox"/>
	28	92022162	WO		1992-12-10	BRITISH TELECOMMUNICATION S PUBLIC LTD.		<input type="checkbox"/>
	29	94018771	WO		1994-08-18	NOVELL INC.		<input type="checkbox"/>
	30	95000821	WO		1995-01-05	OMNIPLEX, INC.		<input type="checkbox"/>

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	31	95007578	WO		1995-03-16	QUALCOMM, INC.		<input type="checkbox"/>
	32	95028814	WO		1995-10-26	ALCATEL MOBILE COMMUNICATION FRANCE		<input type="checkbox"/>
	33	96010320	WO		1996-04-04	NOKIA TELECOMMUNICATION S OY		<input type="checkbox"/>
	34	97009810	WO		1997-03-13	MOTOROLA INC.		<input type="checkbox"/>
	35	97011535	WO		1997-03-27	PACIFIC COMMUNICATIONS SCIENCES INC.		<input type="checkbox"/>
	36	97015131	WO		1997-04-24	TELEFONAKIEBOLAGE T LM ERICSSON		<input type="checkbox"/>
	37	97040592	WO		1997-10-30	TELEFONAKIEBOLAGE T LM ERICSSON		<input type="checkbox"/>
	38	98052307	WO		1998-11-19	NTT MOBILE COMMUNICATIONS NETWORK INC.		<input type="checkbox"/>
	39	98059451	WO		1998-12-30	MITSUBISHI DENKI KABUSHIKI		<input type="checkbox"/>
	40	99003225	WO		2000-10-11	TELEFONAKTIEBOLAG ET LM ERICSSON		<input type="checkbox"/>
	41	99014975	WO		1999-03-25	QUALCOMM INC.		<input type="checkbox"/>

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	42	99023844	WO		1999-05-14	QUALCOMM INC.		<input type="checkbox"/>
	43	99043101	WO		1999-08-26	QUALCOMM INC.		<input type="checkbox"/>
	44	00008706	WO		2000-02-17	SAMSUNG ELECTRONICS CO. LTD.		<input type="checkbox"/>
	45	01052425	WO		2001-07-19	ERICSSON		<input type="checkbox"/>
	46	00014908	WO		2000-01-03	HITACHI LTD.		<input type="checkbox"/>
	47	00041542	WO		2000-07-20	QUALCOMM INC.		<input type="checkbox"/>
	48	00041543	WO		2000-07-20	EMBEDDED WIRELESS (INTERNATIONAL) LTD.		<input type="checkbox"/>
	49	0105425	WO		2001-07-19	ERICSSON		<input type="checkbox"/>
	50	0108445	WO		2001-10-25	ERICSSON		<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
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1	ADACHI, F. et al., "Wideband multi-rate DS-CDMA for next generation mobile communications systems," Wireless Communications Conference, 1997, Proceedings, 11-13 Aug. 1997, pages 57-62	<input type="checkbox"/>
2	ARIYAVISITAKUL, et al.: "Network Synchronization of Radio Networks in Wireless Personal Communications", Electronic Letters 28(25): 2312-2314 (1992).	<input type="checkbox"/>
3	GOODMAN, et al.: "Quality of service and bandwidth efficiency of cellular mobile radio with variable bit-rate speech transmission", IEEE Trans. On Vehicular Technology, Aug. 1983, Vol. VT-32, No. 3, pages 211-217.	<input type="checkbox"/>
4	HARPER, R.C., "Adaptive Phase and Amplitude Modulation on a Frequency Dispersive Fading Channel", IEEE Transactions on Communications, Vol. Com-22, No. 6, June 1974	<input type="checkbox"/>
5	HAYKIN: "An Introduction to Analog and Digital Communications" 1989, JOHN WILEY AND SONS, INC., Page 558	<input type="checkbox"/>
6	J. M. Jacobsmeyer, "Adaptive Trellis Coded Modulation for Bandlimited Meteor Burst Channels", 1989 IEEE Military Communications Conference (MILCOM '89), vol. 2, pp. 418-422 (Cat. No. 89CH2681-5)	<input type="checkbox"/>
7	Jacobsmyer, J.M., "An Adaptive Modulation Scheme for Bandwidth-Limited Meteor-Burst Channels" 21st Century Military Communications--What's Possible?, San Diego, Oct. 23-26, 1988, vol. 3, Oct. 23, 1988, pp. 933-937 IEEE	<input type="checkbox"/>
8	LAGARDE, P, et al., "The PR4G VHF ECCM System: Extensive Tactical Communications for the Battlefield" Military Communications Conference, 1992. Milcom '92, Conference Record. Communications - Fusing Command, Control and Intelligence., IEEE San Diego, CA,	<input type="checkbox"/>
9	MASSOUMI, et al.: "Adaptive Trellis Code Modulation for Mobile Communications", IEEE Pacific Rim Conference on Communications, Computers and Signal Processing, May 9-10, 1991.	<input type="checkbox"/>
10	ZHANG, et al.: "An Integrated Voice/Data System for mobile indoor Radio Networks Using Multiple Transmission Rate", Global Telecommunications Conference. IEEE, Nov. 27-30, 1989, Dallas, TX, vol. 3, pages 1366-1370.	<input type="checkbox"/>
11	"CDMA2000 High Rate Packet Data Air Interface Specification," C.S0024 Version 2.0, Published 10/27/2000 by 3rd Generation Partnership Project 2. Section 8.2.1.3.3.2, 8.2.1.3.3.3, 9.2.1.3.3.2, 9.2.3.3.3	<input type="checkbox"/>

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12	TIA/EIA/-95-; "Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System", July 1993	<input type="checkbox"/>
13	TS 25.101 Section 9.3	<input type="checkbox"/>
14	TS 25.214 Section 6A.2	<input type="checkbox"/>
15	INTERNATIONAL PRELIMINARY EXAMINATION REPORT - PCT/US00/023420, IPEA/US -01/30/03	<input type="checkbox"/>
16	WRITTEN OPINION - PCT/US00/023420 - INTERNATIONAL SEARCH AUTHORITY - EUROPEAN PATENT OFFICE - 09/13/02	<input type="checkbox"/>
17	"INTERNATIONAL SEARCH REPORT PCT/US2000/023420, INTERNATIONAL SEARCH AUTHORITY-EUROPEAN PATENT OFFICE, 11/16/00"	<input type="checkbox"/>

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